

HISTORIC AMERICAN ENGINEERING RECORD

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Air Force Rocket Propulsion Laboratory  
(Air Force Research Laboratory)  
Edwards Air Force Base,  
On Leuhman Ridge near Junction of Highways 58 and 395  
Boron Vicinity  
Kern County  
California

HAER No. CA-236

David G. De Vries, photographer

October 1997 - March 1998

Note: Photographs CA-236-1 through CA-236-4 are 8" x 10" enlargements from 4" x 5" negatives. January, 1998.

- CA-236-1 TEST AREA 1-115, SOUTH PART OF SUPPORT COMPLEX, LOOKING TO EAST FROM ABOVE BUILDING 8655, THE FUEL STORAGE TANK FARM, IN FOREGROUND SHADOW. AT THE RIGHT IS BUILDING 8660, ELECTRICAL SUBSTATION; TO ITS LEFT IS BUILDING 8663, THE HELIUM COMPRESSION PLANT. THE LIGHT TONED STRUCTURE IN THE MIDDLE DISTANCE, CENTER, IS THE MACHINE SHOP FOR TEST STAND 1-3. IN THE FAR DISTANCE IS TEST STAND 1-A, WITH THE WHITE SPHERICAL TANKS, AND TEST STAND 2-A TO ITS RIGHT. ALONG THE HORIZON FROM FAR LEFT ARE TEST STAND 1-D, TEST STAND 1-C, WATER TANKS ABOVE TEST AREA 1-125, AND TEST STAND 1-B IN TEST AREA 1-120.
- CA-236-2 TEST AREA 1-115, A VIEW TO THE SOUTHEAST FROM THE DECK OF TEST STAND 1-5. AT RIGHT IS BUILDING 8642, MACHINE SHOP FOR TEST STAND 1-5. AT LEFT IS BUILDING 8649, AND PART OF BUILDING 8647, TEST STAND 1-4, IS VISIBLE TO LEFT OF BLDG. 8649. (PANORAMA 1/2).
- CA-236-3 TEST AREA 1-115, OVERVIEW. AT RIGHT IS BUILDING 8647, TEST STAND 1-4. AT LEFT CENTER, IN THE MIDDLE DISTANCE, IS BUILDING 8668, INSTRUMENTATION AND CONTROL BUILDING FOR TEST AREA 1-115. Looking east from the deck of Test Stand 1-5. (PANORAMA 2/2)
- CA-236-4 TEST AREA 1-120 OVERVIEW, TEST AREA 1-115 IN MIDDLE DISTANCE, AND TEST AREA 1-110 IN FAR DISTANCE AT EXTREME LEFT. ROGERS DRY LAKE AND THE HANGARS AT MAIN BASE ARE VISIBLE IN THE FAR RIGHT DISTANCE. TEST STANDS 2-A AND 1-A ARE NEAREST THE CAMERA. Looking west southwest.

EDWARDS AFB, AIR FORCE ROCKET PROPULSION LABORATORY  
(AIR FORCE RESEARCH LABORATORY)  
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Note: Photographs CA-236-5 through CA-236-11 are 8" x 10" enlargements from 4" x 5" negatives. These views are photocopies of recent resin coated prints made from prints held at the Main Base History Office, Edwards Air Force Base, California. Photographers unknown. Dates and file numbers unknown except where indicated.

- CA-236-5 TETHERED MINUTEMAN MISSILE LAUNCH, TEST AREA 1-100. Original is a color print.
- CA-236-6 "EXPERIMENTAL ROCKET ENGINE TEST STATION AT AFFTC." A low oblique aerial view of Test Area 1-115, looking south, showing Test Stand 1-3 at left, Instrumentation and Control building 8668 at center, and Test Stand 1-5 at right. The test area is under construction; no evidence of railroad line in photo.
- CA-236-7 "AERIAL VIEW OF THE TEST AREA, DIRECTORATE OF MISSILE CAPTIVE TEST, EDWARDS AFB. 8 AUG 57." In upper left corner, photo no. "8462 57" cropped out: "A-AFFTC 8 AUG 57, RETL TEST AREA" This photo is a high oblique view, showing the wing of the photo plane and Test Area 1-115.
- CA-236-8 LOW OBLIQUE AERIAL VIEW OF TEST AREA 1-115, SHOWING TEST STANDS 1-5, 1-4, AND 1-3 (LEFT TO RIGHT).
- CA-236-9 "SANTA FE RAILWAY SPUR TO OPERATIONAL AREA, DIRECTORATE OF MISSILE CAPTIVE TEST, EDWARDS AFB"; Photo no. "11,381 57; G-AFFTC 18 SEPT 57". Test Area 1-115. Photo shows engine no. 712 pulling one car. The superstructure of Test Stand 1-4 is prominent in the background.
- CA-236-10 "TEST STAND 1-5, AIR FORCE FLIGHT TEST CENTER." ca. 1958. Test Area 1-115. Original is a color print, showing Test Stand 1-5 from below, also showing the superstructure of TS1-4 at left.
- CA-236-11 "NIGHT SCENE OF TEST AREA WITH TEST STAND 1-A IN FOREGROUND. LIGHTS OF MAIN BASE, EDWARDS AFB, IN THE BACKGROUND. EDWARDS AFB." Test Area 1-120. Looking west past Test Stand 1-A to Test Area 1-115 and Test Area 1-110. Photo no. "12,401 57; G-AFFTC 12 DEC 57; TS 1-A Aux #1".

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Note: Photograph CA-236-12 is an 8" x 10" enlargement from a 4" x 5" copy negative of a recent 8.5" x 11" photomechanical transfer. The transfer was created from a 105 mm microfilm held in the architectural drawings archive at the facilities engineering office, Air Force Rocket Propulsion Laboratory, Edwards Air Force Base, California. The drawing was created by Kaiser Engineers, Division of Henry J. Kaiser Company, Architect-Engineer, 1924 Broadway, Oakland, California, for the Department of the Air Force, Air Force Ballistic Missile Division (ARDC), Inglewood, California. The general drawing header is "Ballistic Missile Test Facilities; Edwards Air Force Base, California; Silo Launch Test Complex" followed by the specific title given below.

CA-236-12                    "SITE PLAN." Test Area 1-100. Specifications No. OC3-59-73; Drawing No. 5841-C-1; D.O. SERIES AW1525/7 Rev. A.

Note: Photograph No. CA-236-13 is an 8x10 inch contact print from a copy negative of a black line print, approximately 18 inches by 24 inches in size. The original source drawing for the black line was not available for outside copy work. The black line print was printed from a 105 mm microfilm on the microfilm reading machine in the architectural drawings archive at the facilities engineering office, Air Force Rocket Propulsion Laboratory, Edwards Air Force Base, California. The drawing was created by the Ralph M. Parsons Company, 617 West Seventh Street, Los Angeles 17, California, for the Corps of Engineers, U.S. Army, Office of the District Engineer, Los Angeles, California. The general drawing header is "Edwards Air Force Base; Edwards, California; F-1 Acceptance Test Complex; Rocket Test Site" followed by the specific title given below. The drawing was approved for the District in July, 1962 by (signature not legible).

CA-236-13                    "CIVIL, SITE PLAN AND VICINITY MAP, AREA LOCATIONS."  
Test Area 1-125. Specifications No. ENG (NASA)-04-353-63-1; Drawing No. 60-09-34; sheet 11. Ref. No. C-1.  
D.O. SERIES 1597/1. Approved for siting on 24 April 1962.

Note: Photographs CA-236-14 through CA-236-15 are 8" x 10" enlargements from 4" x 5" copy negatives of recent 8.5" x 11" photomechanical transfers. The transfers were created from 105 mm microfilms held in the architectural drawings archive at the facilities engineering office, Air Force Rocket Propulsion Laboratory, Edwards Air Force Base, California. The original source drawings were not available for off-site archival copy work. These drawings were made by the Ralph M. Parsons Company, 617 South Olive Street, Los Angeles, California, for the Air Force Flight Test Center, Edwards Air Force Base, California. The common

EDWARDS AIR FORCE BASE,

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drawing headers in all the title blocks are "Experimental Rocket Engine Test Station, Test Facility 1-A." followed by the specific titles given below. All drawings were approved for Headquarters, AFFTC on 10 February 1955.

CA-236-14

"SITE WORK, CIVIL, SITE PLAN." Test Area 1-120. Specifications No. OC2-55-72; Drawing No. 60-09-12; sheet 7 of 148; file no. 1320/58, Rev. C. Stamped: RECORD DRAWING - AS CONSTRUCTED. Below stamp: Contract no. 4338 Rev. C, Date: 16 April 1957.

CA-236-15

"GENERAL, INSTRUMENTATION AND CONTROL SYSTEMS, ISOMETRIC." Test Area 1-120. Specifications No. ENG-04-353-55-72; Drawing No. 60-09-12; sheet 6 of 148; file no. 1320/57. Stamped: RECORD DRAWING - AS CONSTRUCTED. Below stamp: Contract no. 4338, no change.